

DuraDrive ZT2

Industrial 1.8" SSD with ZIF Interface



Perfect combination of Ruggedness and Performance

The new DuraDrive ZT2 represent the next generation of industrial data storage solutions by offering enhanced durability, reliability and performance in environments considered "too harsh" for a standard drive.

Thanks to an advanced controller and premium NAND Flash, the new DuraDrive delivers unprecedented vibration, shock and temperature tolerances, with impressive speeds. Supporting access times of 0.1ms, the new DuraDrive really performs and can reach speeds of 125MB/sec sequential Read and 110MB/sec sequential Write. That's a more than double performance increase from previous version of Industrial Solid State Disks.

With ECC/EDC support, bad bit management firmware and patented wear leveling technology, this drive offers extreme reliability.

Optional

- SLC - For increased Longevity and Reliability
- iTemp - Mission Critical often requires itemp (-40°C to +85°C)
- Secure Erase- For Sensitive Data, Don't just Erase it, Eradicate it with Secure Erase.

The DuraDrive ZT2 was designed to fit into 1.8-inch bay and utilizes a ZIF connector.

The Dura Drive SSD is geared specifically for applications that require high shock, vibration and/or reliability.
Example industries include:

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|------------------------|---------------------------------|------------------------|
| - Military / Aerospace | - Embedded / Industrial Systems | - Enterprise Computing |
| - Medical Industry | - Casino Gaming | |

Physical Specifications

DuraDrive™ ZT2	
Form Factor	1.8 inch
Capacity	16GB to 128GB (SLC) 32GB to 256GB (MLC)
Dimension	51.97mm x 69.97mm x 5.10mm
NAND Flash	MLC / SLC
Interface	ZIF
Power Supply	3.3V ± 10%
Package	Complete Metal Housing

ZT2 Performance Specification

Part Number	Sequential Read (MB/sec max)	Sequential Write (MB/sec max)
FZD16GW18P (SLC)	125	90
FZD32GW18P (SLC)	125	90
FZD64GW18P (SLC)	125	110
FZM32GW18P (MLC)	125	60
FZM64GW18P (MLC)	125	60
FZM28GW18P (MLC)	125	90
FZM56GW18P (MLC)	125	90

*Part number listed are commercial specs only. Please call for options listed above.

Environmental Specifications

Shock (operating)	1500G	
Vibration (operating)	16G	
Operating Temperature	Industrial	-40°C to +85°C
	Commercial	0°C to +70°C

Reliability Specification

MTBF	+1,000,000 hours
Data Reliability	Built-in EDC/ECC function
Data Retention	Up to 10 years
Wear Leveling Algorithm	Patent Pending